

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application. This marked-up version reflects changes to the claims presented in the Preliminary Amendment dated Dec. 04, 2006.

What is claimed is:

1-49. (Canceled)

50. (Currently Amended) A collapsible window covering capable of height adjustments, comprising:

an upper elongated support having a longitudinally extending channel;

a collapsible member coupled to said upper elongated support;

a lower elongated member coupled to said collapsible member;

a first primary line coupled to said lower elongated member and extends through a length of said collapsible member;

a counterbalancing mechanism having ~~a housing~~—a first and second rotary members ~~disposed within said housing~~, and wherein the ~~housing~~ counterbalancing mechanism is disposed within said longitudinally extending channel;

a first secondary line having a distal end coupled to said first primary line and a proximal end leading into said ~~housing~~ counterbalancing mechanism;

a pulley assembly having a first rotor and a second rotor wherein said first primary line is entrained about said first and second rotors; and

wherein said counterbalancing mechanism has a spring coupled to said first rotary member thereby urging said first rotary member to rotate in a winding direction to wind and store said first secondary line onto said first rotary member.

51. (Original) The collapsible window covering of claim 50, wherein said pulley assembly is disposed within said longitudinally extending channel.

52. (Previously Presented) The collapsible window covering of claim 51, wherein the first and second rotors in the pulley assembly is capable of supplementing a counterbalancing effect created by said counterbalancing mechanism, said first and second rotors of said pulley assembly further comprises receiving surfaces for entraining the first primary line, and wherein an arrangement of the receiving surfaces and the number of rotors allows a portion of the first primary line to change its direction of travel at least once before exiting the longitudinally extending channel, when the lower elongated member is manually pulled in a downward direction to lower the height of the lower elongated member.

53. (Original) The collapsible window covering of claim 52, wherein the arrangement of the receiving surfaces and the number of rotors allows a portion of the first primary line to change its direction of travel at least twice before exiting the longitudinally extending channel, when the lower elongated member is manually pulled in a downward direction when lowering the height of the lower elongated member.

54. (Currently Amended) The collapsible window covering of claim 53, wherein the pulley assembly further comprises a third rotor and a fourth pulley rotor.

55. (Original) The collapsible window covering of claim 54, wherein the spring is an S-shaped spring.

56. (Previously Presented) The collapsible window covering of 55, wherein said first rotary member and said second rotary member are capable of entraining said first secondary line in a criss-cross pattern to assist the spring in providing a counter balancing force.

57. (Previously Presented) The collapsible window covering of claim 56 further comprising a second primary line coupled to said first secondary line such that movement of said first secondary line also moves said first and second primary line evenly, thereby keeping said bottom elongated member level.

58. (Previously Presented) The collapsible window covering of claim 53, wherein rotation of said first rotary member in said winding direction are capable of entraining and winding said first secondary line; and wherein the spring is an s-shaped spring also coupled to the second rotary member.

59. (Currently Amended) The collapsible window covering of claim 57, wherein the collapsible member includes pleated shade ~~such as roman shades and honey-comb shades.~~

60. (Currently Amended) The collapsible window covering of claim 57, wherein the collapsible member includes shutter ~~such as wooden shutter and~~ Venetian blinds, and comprises a plurality of blind slats.

61. (Previously Presented) The collapsible window covering of claim 58 further comprising a second secondary line having a proximal end leading into said ~~housing~~ counterbalancing mechanism, said second secondary line having a distal end coupled to said first ~~second~~ primary line and coupled to a second primary line such that the second secondary line work alongside said first secondary line to ensure adequate strength in suspending a weight of the collapsible covering and a weight of the lower elongated member, and wherein the counterbalancing mechanism is disposed at a terminal end in the longitudinally extending channel.

62. (Previously Presented) A method of raising a collapsible window covering without using a manual pull cord, said method comprising:

Providing a collapsible window covering comprising an upper elongated support having a longitudinally extending channel, a collapsible member coupled to said upper elongated support, a lower elongated member coupled to said collapsible covering, a least two primary lines coupled to said lower elongated member and extends through a length of said collapsible covering, a secondary line coupled to said at least two primary lines and to a counterbalancing mechanism, a pulley assembly having a first and second rotors wherein at least one of said at least two primary lines is entrained about said first and second rotors, and wherein said counterbalancing mechanism is disposed within said longitudinally extending channel and has a spring coupled to a first rotary member thereby urging said first rotary member to rotate in a winding direction to wind and store said secondary line onto said first rotary member;

manually lift the lower elongated member in an upward direction to allow said collapsible member to shorten in a longitudinal direction; and

wherein lifting the lower elongated member allows the at least two primary lines to move evenly without entangling with each other on the first rotary member.

63. (Original) The method of claim 62, wherein the spring is an S-shaped spring.
64. (Previously Presented) The method of claim 63, wherein bouncing of the bottom elongated member is minimized by entraining the at least two primary lines about the first and second rotors of the pulley assembly, thereby increasing stability of the bottom elongated member and increasing precision in height position adjustment of the bottom elongated member.
65. (Previously Presented) The method of claim 64, wherein the counterbalancing mechanism further includes a second rotary member capable of entraining said secondary line.
66. (Previously Presented) The method of 65, wherein said secondary line is entrained about said first rotary member and said second rotary member in a criss-cross pattern to assist the spring in providing a counter balancing force.
67. (Currently Amended) A window covering system capable of height adjustments, comprising:

an upper elongated support having a longitudinally extending channel;

a collapsible member coupled to said upper elongated support;

a lower elongated member coupled to said collapsible member;

a first primary line and a second primary line coupled to said lower elongated member and extends through a length of said collapsible member;

a counterbalancing mechanism having ~~a housing, at least two rotary members, wherein the two rotary members are a first, and a second, and third~~ rotary members disposed within said housing, and wherein the housing counterbalancing mechanism is disposed within said longitudinally extending channel;

a secondary line having ~~a distal end coupled to said first and second primary lines and~~ having a proximal end leading into said housing counterbalancing mechanism;

a pulley assembly having at least four rotors, wherein each of said first and second primary line is entrained about at least two of said at least four rotors; and

wherein said counterbalancing mechanism has at least one ~~[[two]]~~ s-shaped spring~~[[s]]~~ coupled to said second rotary member thereby urging said second rotary member to rotate in a winding direction to wind and store said secondary line onto said second rotary member.

68. (Currently Amended) The window covering system of claim 67, wherein the two primary lines and the secondary line are coupled to form a 2-into-1 configuration that resembles a English letter Y ~~wherein the collapsible member includes pleated shade such as roman shades and honey-comb shades.~~

69. (Currently Amended) The window covering system of claim 67, wherein the collapsible member includes shutter such as wooden shutter and Venetian blinds, and comprises a plurality of blind-slats two primary lines and the secondary line are coupled via a connector piece, such that when the secondary line moves in and out of the counterbalancing mechanism, the primary lines also moves in and out of the pulley assembly.

70. (New) A cordless window covering system, comprising:

an upper elongated support having a longitudinal channel;

a lower elongated member;

a collapsible window covering member coupled to said lower elongated member;

a spring motor disposed at a terminal end in the channel and is capable of providing counterbalancing force to counterbalance a weight of the lower elongated member and a weight of the collapsible window covering member, at various heights of the lower elongated member;

at least two lifting cords each having a distal end coupled to the lower elongated member, and each of said lifting cords passes through the collapsible window covering member and into the channel, and the lifting cords are coupled to the spring motor;

a pulley assembly having a plurality of pulley rotors aligned consecutively in the channel, the plurality of pulley rotors forms a group, and the plurality of pulley rotors include a first pulley rotor and a second pulley rotor;

wherein each of the at least two lifting cords entrain about the group as a whole in a circuitous fashion such that each of the least two lifting cords repeatedly entrains about the group at least two laps; and

wherein the at least two lifting cords entrain about the first pulley rotors at least twice.

71. (New) The system of claim 70, wherein the at least two lifting cords are stored on the group of pulley rotors in a circuitous fashion such that each of the least two lifting cords entrain about the second pulley rotors at least twice.

72. (New) The system of claim 71, wherein the first pulley rotor is disposed at one terminal end of the group of pulley rotors, and the second pulley rotor are disposed at an opposite terminal end of the group of pulley rotors, and wherein the consecutive alignment is a linear alignment, such that the plurality of pulleys aligns in a substantially straight line.

73. (New) The system of claim 72, wherein the at least two lifting cords entrains about the group at least three laps, and wherein the at least two lifting cords are coupled to the spring motor via at least one connecting cord.